Video Transcoder

SED-3200

User's Manual

www.acti.com

SED-3200

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1 INTRODUCTION

1.1 PACKAGE CONTENTS

SED-3200

Warranty Card

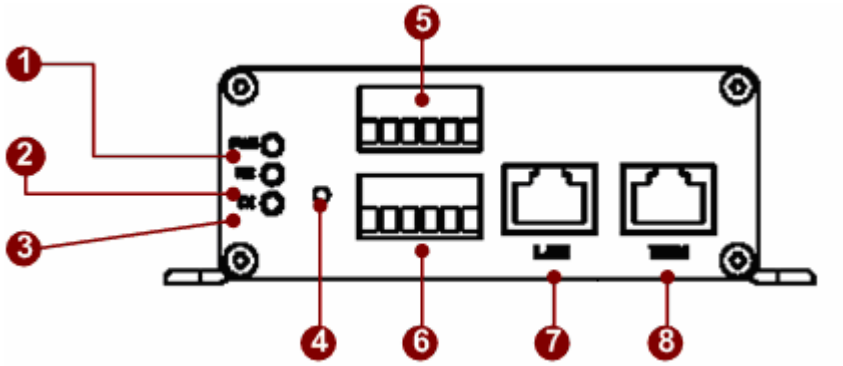
Software CD

Terminal Blocks & Screws

Power Adaptor

1.2 PHYSICAL DESCRIPTION

SED-3200 Front Panel



1. **Red LED**

   LED Indicating Power or H/W Reset Function

2. **Yellow LED**

   LED Indicating when RS-485 Rx is active

3. **Green LED**

   LED Indicating when RS-485 Tx is active

4. **Reset Button**

   Get back to default value while forgetting Login Name & Password

   Procedure

   1. Switch off the SED-3200 by disconnecting the power cable
   2. Using a suitable pointed object, press and continue to hold the Reset Button depressed. While continuing to hold the Reset Button depressed, reconnect the power cable.
   3. Keep holding the Reset Button depressed around 6 seconds, release the Reset Button. The unit will start up with the factory default settings.

5. **Terminal Blocks Pin 1~6**

   Pin 1: DO 1 – Digital Output

   Pin 2: DO 2 – Digital Output

   Pin 3: GND

   Pin 4: DI 1 – Digital Input

   Pin 5: DI 2 – Digital Input

   Pin 6: GND

NOTE: Please double check the label of terminal blocks.

6. **Terminal Blocks Pin 7~12**

Pin 7~10: RS232/422/485. Default mode is RS-485 (if your system needs RS-232 or RS-422, please contact ACTi sales)

Pin＼Mode	RS-232	RS-422	RS-485
7	Tx	Tx+	D+
8	-	Tx-	D-
9	Rx	Rx+	-
10	-	Rx-	-

Pin 11: Power +12V – 12V DC Input

Pin 12: Power GND – DC GND

NOTE: Please double check the label of terminal blocks.

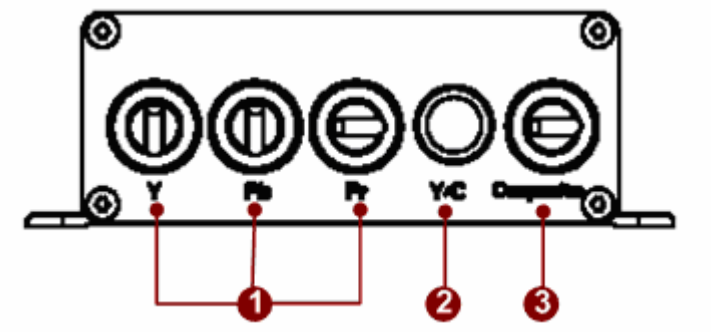
7. **LAN Port**

10/100 Mbps auto-sensing, fast Ethernet port of secure LAN.

8. **WAN Port**

10/100 Mbps auto-sensing, fast Ethernet port of WAN for FTTH or xDSL connectivity

SED-3200 Rare Panel



1 **YPbPr**

Analog Video Output of YPbPr Signal with BNC Connector

2 **Y/C**

Analog Video Output of Y/C Signal with S-Video Connector

3 **Composite**

Analog Video Output of Composite Signal with BNC Connector

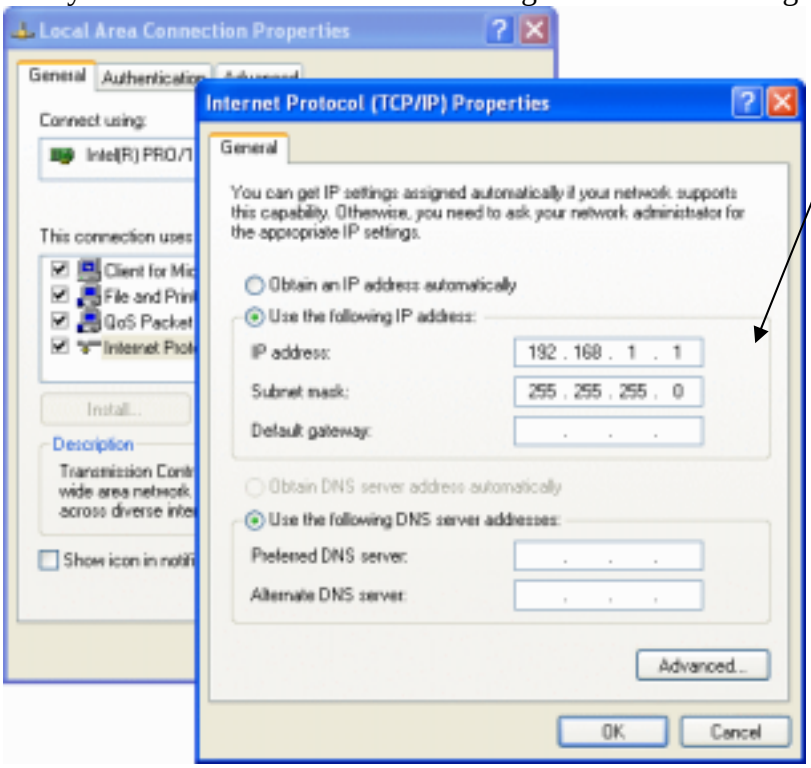
2 INSTALLATION

2.1 Hardware Installation

Please follow the following steps to configure your SED-3200 before you install and running ACTi bundled software application.

2.1.1 Make sure network environment

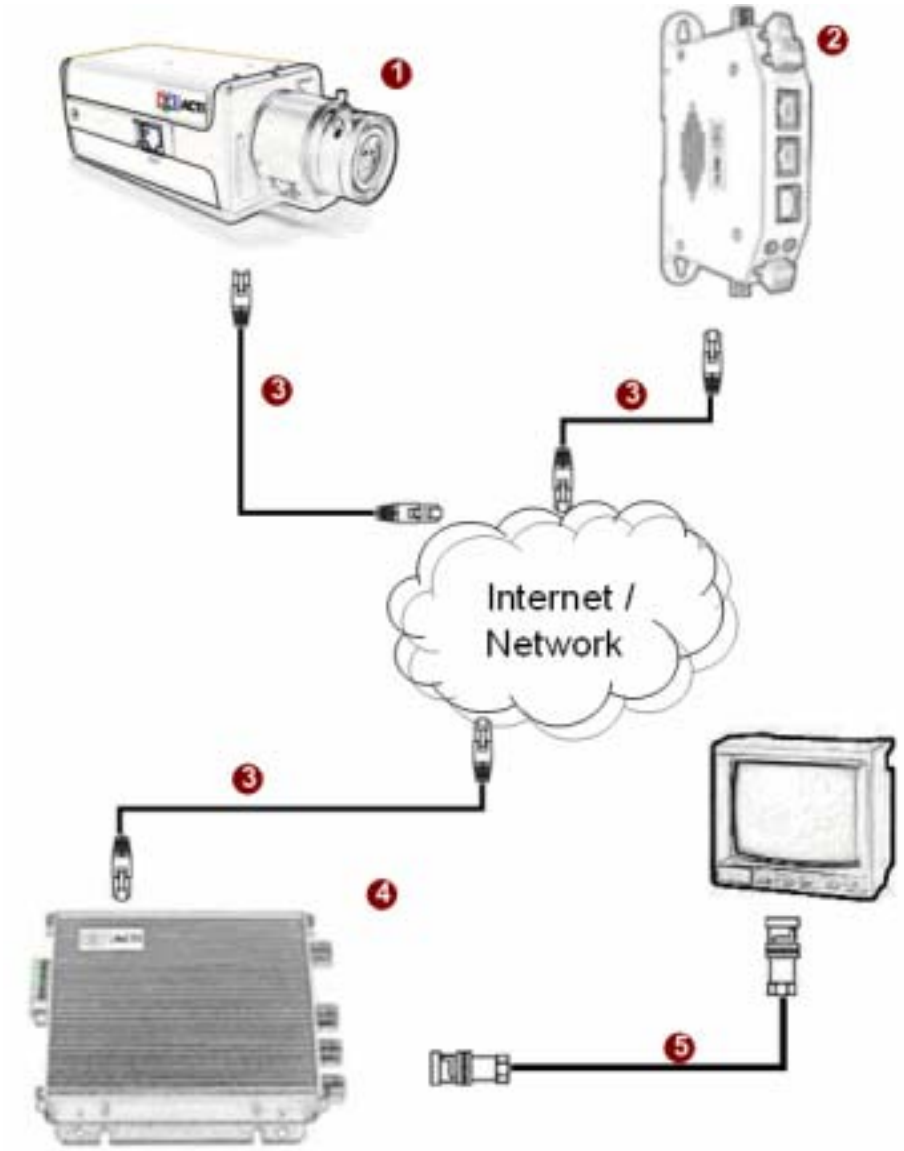
Default IP of SED-3200 is 192.168.1.1. Please make sure SED-3200 and your PC are in the same network segment before running the installation.



Please set your PC IP address to number from 2 to 254.
e.g. **192.168.1.2**

2.1.2 Connect cables

The BNC cable for video input, Ethernet cable and power cable are necessary for previewing function. Make sure all cables are correctly and firmly connected.

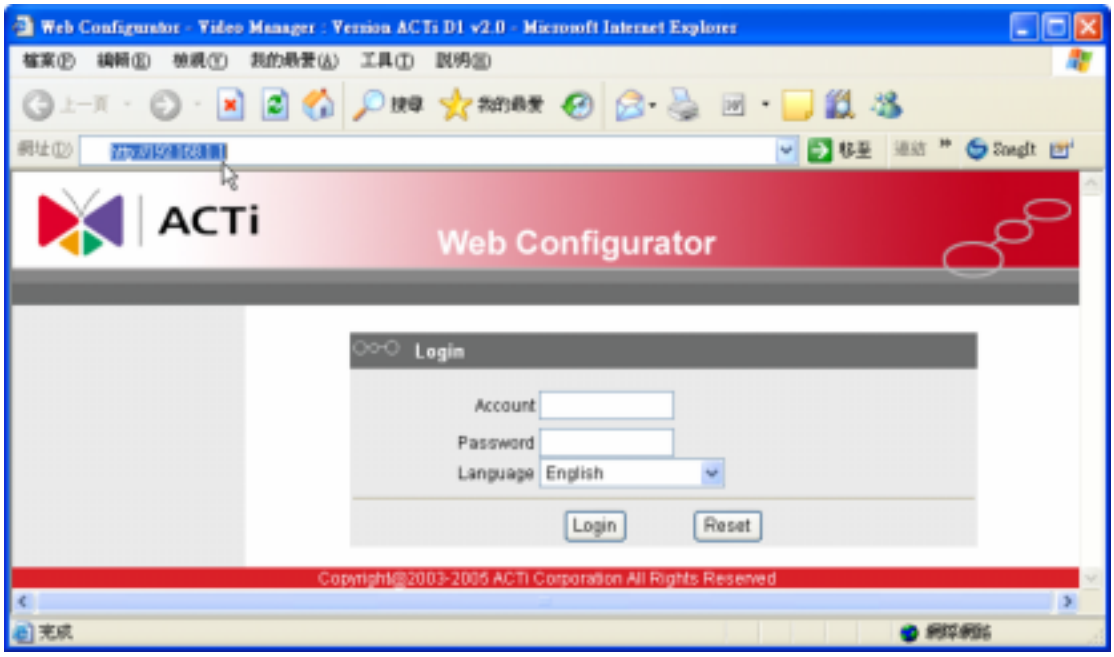


1. Video Source can be CAM-5100/CAM-5100S or other ACTi encoding devices
2. Video Source can be SED-2100R/SED-2100S or other ACTi encoding devices
3. Connect SED-2100R/CAM-5100 and SED-3200 LAN port to an Ethernet hub (RJ45 connectors)
4. SED-3200 is the receiver side
5. Connect the coaxial cable to TV monitor and display the video which encoded and transferred from SED-2100R/CAM-5100

2.2 Web Server Configuration

Whenever you want to configure the SED-3200,you can access the Configuration Utility by opening the web-browser and typing in the IP Address of the SED-3200. The SED-3200 default IP Address is 192.168.1.1

Please open the internet browser as 192.168.1.1



NOTE: If your web browser is earlier than IE6, then download IE6 is recommended.

2.2.1 Login

Please login with specific Account and Password

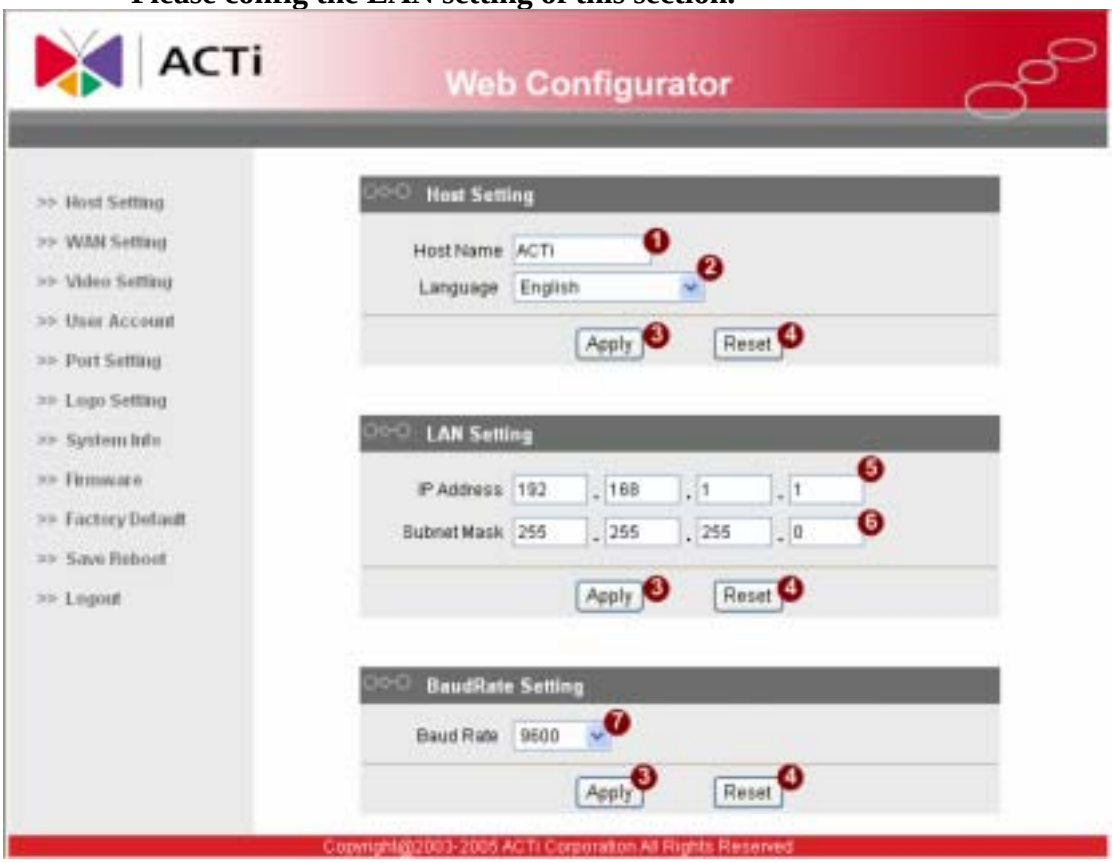
1. **Account** : Type **Admin** as the default account name.
2. **Password** : Type **123456** as the default password.
3. **Language** : Choose the language of Web Configurator. The default setting is English.

Value	Description
0	English
1	Tradition Chinese
2	Simplified Chinese
3	Japanese

4. Login : Click this button to login.
5. Reset : Click this button to reset.

2.2.2 Host Setting

Please config the LAN setting of this section.



1. **Host Name** : Enter the domain name for SED-3200
2. **Language** : Language setting for Web Configurator after Save Reboot. Default setting is English.

Value	Description
0	English
1	Tradition Chinese
2	Simplified Chinese
3	Japanese

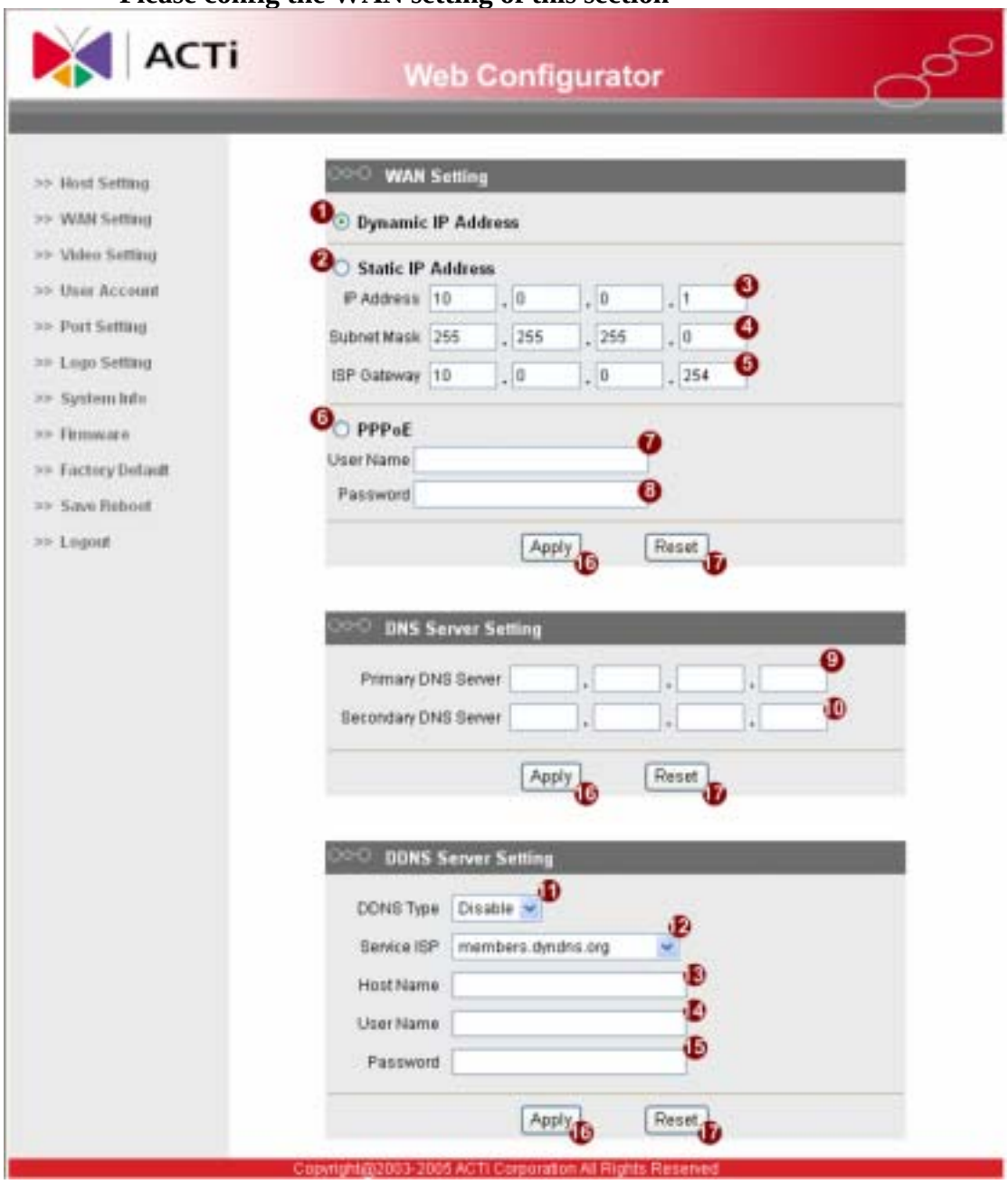
3. Apply : Click this button to apply the setting of this section.
4. Reset : Click this button to reset.
5. **IP Address** : The IP address of the LAN.
6. **Subnet Mask :** The subnet mask of the LAN.
7. **Baud Rate** : Baud rate setting of Video Transcoder. Default setting is 9600.

Value	Description
0	1200
1	2400
2	4800
3	9600
4	19200
5	38400
6	57600
7	115200
8	230400

NOTE: **Save Reboot** is necessary to execute for keeping this configuration after reboot next time.

2.2.3 WAN Setting

Please config the WAN setting of this section



1. **Dynamic IP Address** : Set DHCP mode.
2. **Static IP Address** : Set Static IP Address mode.
3. **IP Address** : Enter the Static IP Address of the WAN. Default is 10.0.0.1.
4. **Subnet Mask** : The subnet mask of the WAN.
5. **ISP Gateway** : The internet gateway of the WAN.

6. **PPPoE** : Point-to-Point Protocol over Ethernet (PPPoE) merges PPP, which is usually used for dial-up connections (e.g. ADSL, Cable Modem).
7. **User Name** : Enter the user name for the PPPoE connection.
8. **Password** : Enter the password for the PPPoE connection.
9. **Primary DNS Server :** Set the primary DNS server IP address.
10. **Secondary DNS Server** : Set the secondary DNS server IP address.
11. **DDNS Type :** Set Disable or Enable
12. **Service ISP :** Pick one of ISP provider.
13. **Host Name** : Enter the host name (e.g. acti.dyndns.org)
14. **User Name** : Enter the user name of xxxx.dyndns.org
15. **Password** : Enter the password of xxxx.dyndns.org
16. Apply : Click this button to apply the setting of this section
17. Reset : Click this button to reset

NOTE: Check with your MIS department, if Client PC and SED-3200 are setting in different VLANs, please connect to WAN port.

NOTE: **Save Reboot** is necessary to execute for keeping this configuration after reboot next time.

2.2.4 Video Setting

Please config the settings to connect Video Server/IP Camera/Other ACTi encoding devices

1. **Connect Type** : Select Multicast or TCP mode for connecting to Video Server. While setting to Multicast, choose “Multicast W/O Control” if your environment doesn’t link with any DI/O and RS-485 device. Otherwise, choose “Multicast Streaming” with control DI/O and RS-485.

Value	Description
0	Multicast W/O Control
1	Multicast Streaming
2	TCP Streaming

2. **TCP Connect IP** : Set IP address of Video Server while Connect Type is TCP Streaming.
3. **Multicast Connect IP** : Set IP address of Video Server while Connect Type is Multicast streaming.
4. **Connect User Name** : Set Login Name of Video Server.
5. **Connect Password** : Set Password of Video Server.

6. **Remote Register Port** : Port of video registeration.
7. **Remote Control Port** : Port for video controlling.
8. **Remote Streaming Port** : Port of video streaming.
9. **Remote Multicast Port** : Port of video multicasting.
10. **Video Out** : Type of Video Out

Value	Description
0	Composite/S Video
1	Composite/YPbPr

11. **Default TV Type** : Default TV system type. Default setting is PAL.

Value	Description
0	PAL
1	NTSC

12. **OSD Display** : On Screen Display will show information/icon when following event is triggered.

Value	Description
0	Remote IP
1	Time Code
2	DIO Status
3	Motion Detection

13.

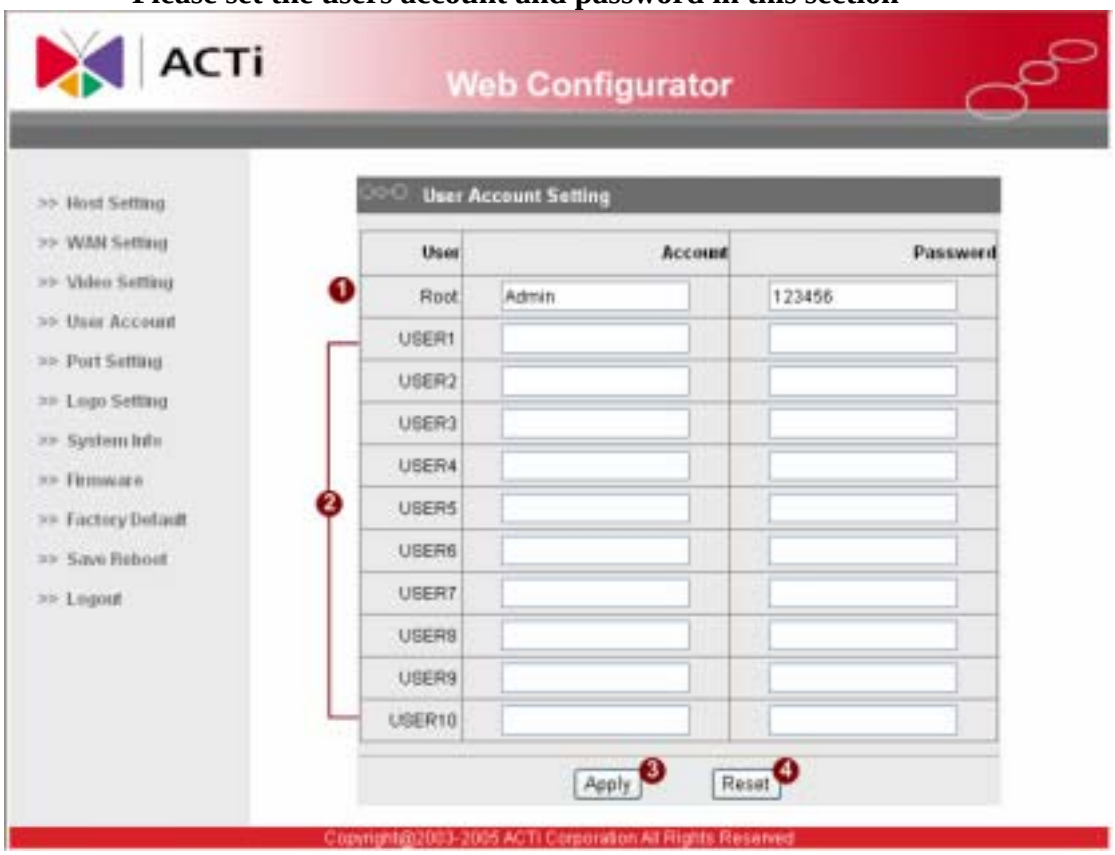
: Click this button to apply the setting of this section.
14.

: Click this button to reset.

NOTE: Save Reboot is necessary to execute for keeping this configuration after reboot next time

2.2.5 User Account Management

Please set the users account and password in this section



1. **Root** : Default Account name is Admin, Password is 123456.
2. **USER 1 ~USER 10** : 10 users Account & Password could be defined.
3. Apply : Click this button to apply the setting of this section.
4. Reset : Click this button to reset.

NOTE: Only root administrator has the ability for full range settings, the other users are preview video only.

NOTE: **Save Reboot** is necessary to execute for keeping this configuration after reboot next time.

2.2.6 Port Setting

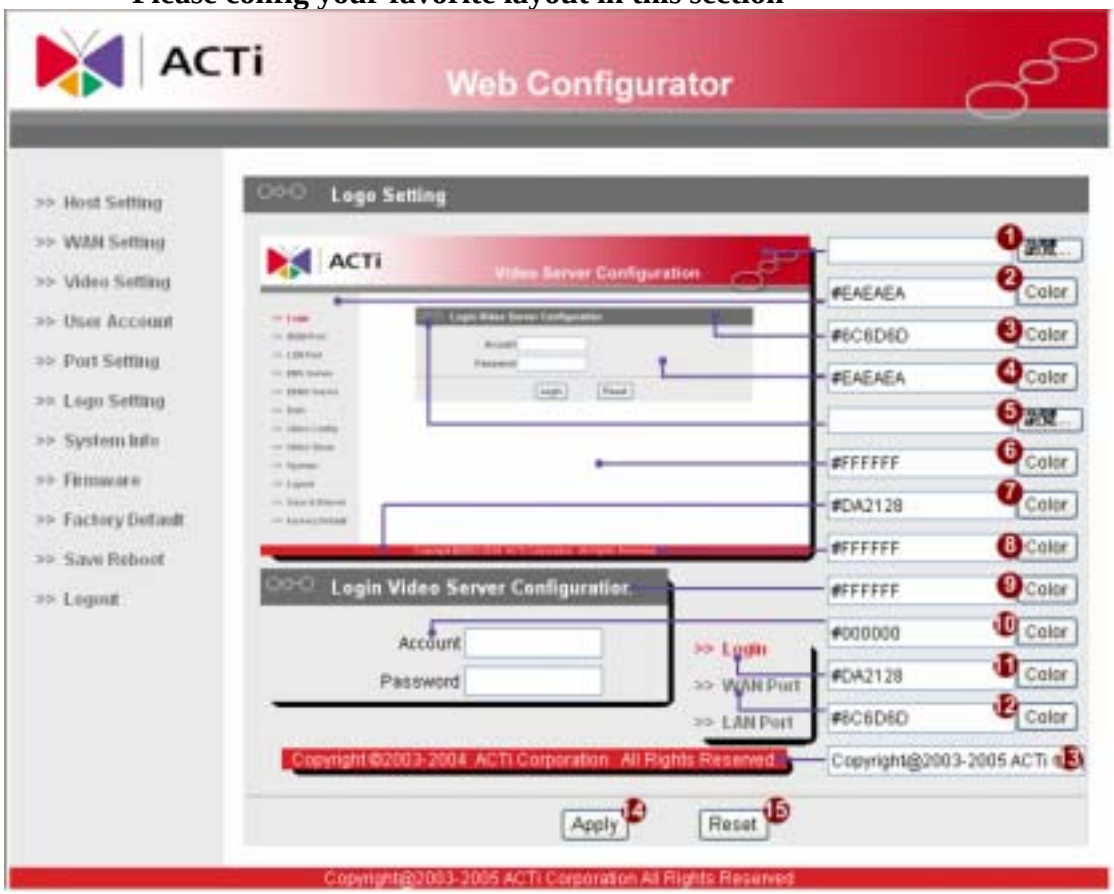
Please config port settings of SED-3200

1. **Host HTTP Port** : HTTP Port Setting.
2. **Host Search Port1** : The port of "Send" protocol for searching server.
3. **Host Search Port2** : The port of "Receive" protocol for searching server.
4. **Host SDK Port1** : The port of "Send" protocol for SDK.
5. **Host SDK Port2** : The port of "Receive" protocol for SDK.
6. Apply : Click this button to apply the setting of this section
7. Reset : Click this button to reset

NOTE: Save Reboot is necessary to execute for keeping this configuration after reboot next time.

2.2.7 Logo Setting

Please config your favorite layout in this section



1. Main window header, please insert an image file (bmp, jpg, gif). Resolution is 776x81, and size < 12000 bytes
2. Main menu bar color
3. Sub window header bar color
4. Sub window color
5. Sub window title bar logo, please insert an image file (bmp, jpg, gif). Resolution is 31x11, and size < 2000bytes
6. Main window color
7. Main window footer bar color
8. Main window footer words color
9. Sub window header words color
10. Sub window menu color
11. Main menu active item color
12. Main menu non-active item color
13. Main window footer wording

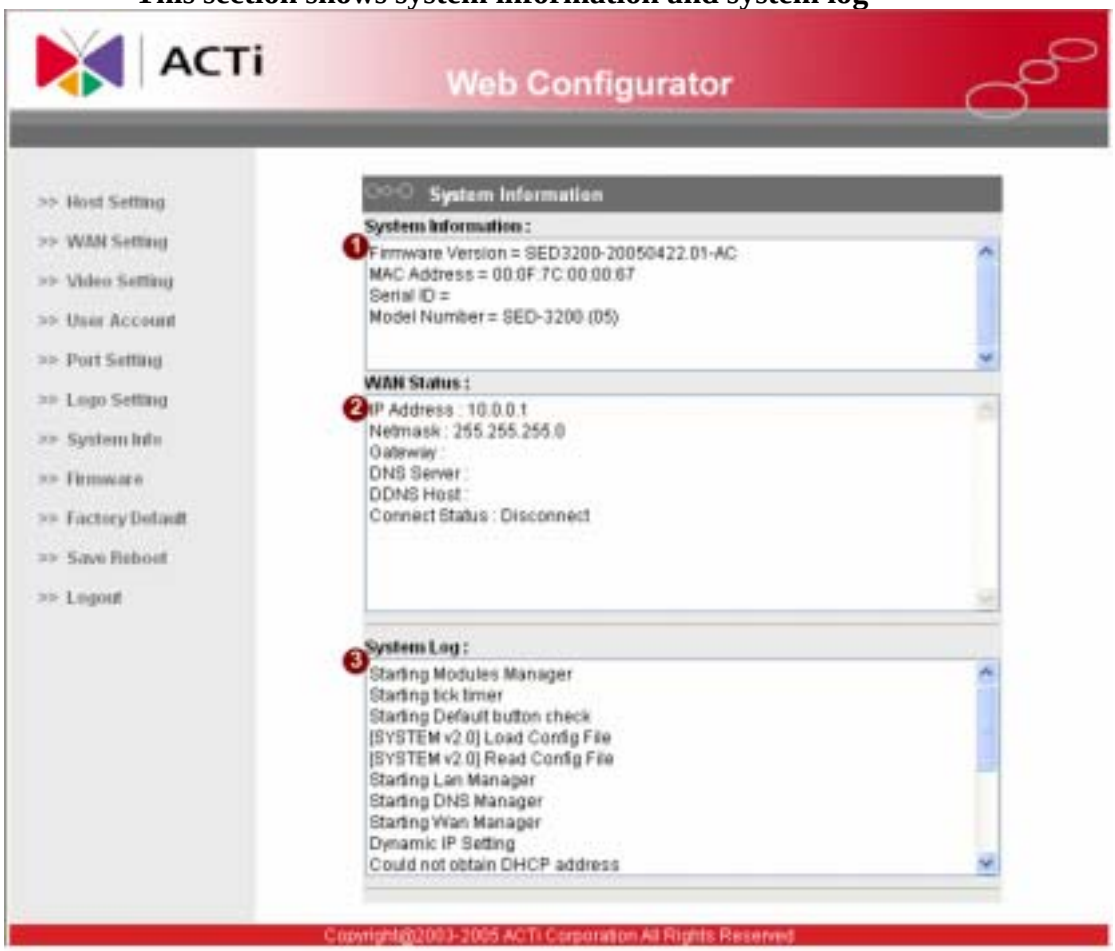
14. Apply: Click this button to apply the setting of this section
15. Reset : Click this button to reset

NOTE: Before re-connect to SED-3200, please run **Tools -> Internet Options -> General**, and execute **"Delete Cookies"** and **"Delete Files"** in **Temporary Internet files** to clean temp files of IE Browser.

NOTE: **Save Reboot** is necessary to execute for keeping this configuration after reboot next time.

2.2.8 System Info

This section shows system information and system log



1. **System Information** : View system information**.**
2. **WAN Status** : View WAN status**.**
3. **System Log** : View network status, system events and gather information about hardware problems.

2.2.9 Image Upgrade (1/2)

Please upgrade the web server firmware in this section

1. Click Apply to upload firmware.
2. Reset : Click this button to reset

2.2.10 Image Upgrade (2/2)

3. **Firmware Images File :**
   You can update the Firmware Image version of your device by downloading the latest firmware released from the **http://www.acti.com** to your hard drive or to a local directory, and then using the WebUI to load the new release onto your Hardware device.

4. **MD5 File :**
   You can update the MD5 File version of your device by downloading the latest firmware released from the **http://www.acti.com** to your hard drive or to a local directory, and then using the WebUI to load the new release onto your Hardware device.

5. Upload : Click this button to upload the firmware

6. Reset : Click this button to reset

2.2.11 Factory Default

This section allows you to load factory default settings

1. Click Apply to get back to factory default
2 Reset : Click this button to reset

NOTE: Save Reboot is necessary to execute for keeping this configuration after reboot next time.

2.2.12 Save Reboot

When you finish all settings, please click Save Reboot and wait about 30 seconds for system save and reboot, until the LAN/WAN yellow LED is flashing, means boot up successful and start streaming.

ACTi
Web Configurator
System Save And Reboot
Please waiting 30 seconds for system save and reboot
1. LED Flash : Save firmware now
2. LED OFF : System reboot
3. LED ON : System reboot finish
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2.2.13 Logout

Click Logout to logout web server, and will close the IE window.